



Acid sequence of ddh

SEQ ID NO: 7 1 ATGGATTTCCGGTAAGCTCGACCAGCACAGTGCCACCACAATTTTCCACCATTACAAGAAC
SEQ ID NO: 8 1 M H F G K L D Q D S A T T I L E D Y K N 60
61 ATGACCAACATCCGCCTAGCTATCGTAGGGTACGGAAACCTGCGACCCAGCGTCGAAAAG
61 M T N I R V A I V G Y G N L G R S V E K 120
121 CTTATTGCCAAGCAGCCCGACATGGACCTTGTAGGAATCTTCTCGCGCCGGGCCACCCTC
121 L I A K Q P D M D L V G I F S R R A T L 180
181 GACACAAAGACGCCAGTCTTTGATGTGCGCGACGTGGACAAGCACCCCGACGACGTGGAC
181 D T K T P V F D V A D V D K H A D D V D 240
241 GTGCTGTTCTGTGCATGGGCTCCGCCACCGACATGCCTGAGCAGGCACCAAAGTTCGCG
241 V L F L C M G S A T D I P E Q A P K F A 300
301 CAGTTCGCCTGCACCGTAGACACCTACCACAACCACCGCGACATCCCACGCCACCGCCAG
301 Q F A C T V D T Y D N H R D I P R H R Q 360
361 GTCATGAACGAAGCCGCCACCGCAGCCGGCAACGTTGCACTGGTCTGTACCGGCTGGGAT
361 V M N E A A T A A G N V A L V S T G W D 420
421 CCAGGAATGTTCTCCATCAACCGCGTCTACGCAGCCGCACTCTTAGCCGAGCACCAGCAG
421 P G M F S I N R V Y A A A V L A E H Q Q 480
481 CACACCTTCTGGGGCCAGCTTTGTACAGGGCCACTCCGATCCTTTGCGACGCATCCCT
481 H T F W G P G L S Q G H S Q A L R R I P 540
541 GGCGTTCAAAAGGCcGTCCAGTACACCCTGCCATCCGAAGaGCCCTGCAAAAGGCCCGC
541 G V Q K A V Q Y T L P S E E A L E K A R 600
601 CGTCGCGAAGCCGGCGACCTcACCGGAAAGCAAACCCACAAGCGCCAATGCTTCGTGGTT
601 R G E A G D L T G K Q T H K R Q C F V V 660
661 CCCGATGCGGCCGACCACGAGCGCATCGAAAACGACATCCGCACCATCCCTGATTACTTC
661 A D A A D H E R I E N D I R T M P D Y F 720
721 GTTGGCTACGAAGTCGAAGTCAACTTCATCGACGAAGCAAGCTTgGACgCCGAGCACACC
721 V G Y E V E V N F I D E A T L D A E H T 780
781 GGGATGCCACACGGcGGACACGTGATcACCACCGGCGACACCGGTGGCTTCAACCACACC
781 G M P H G G H V I T T G D T G G F N H T 840
841 GTGGAATACATCCTgAAGCTGGACCGAAACCCAGATTTACCGCTTctTCACAGATCCCT
841 V E Y I L K L D R N P D F T A S S Q I A 900
TTCGGcCGCCCAGCTCACCCCATGAAGCAGCAGGGCCAAAGCGGtGCTTTACCGTGCTC

FIG.5A